

### **AMENDMENTS TO THE SPECIFICATION**

Please replace paragraph [0007] with the following amended paragraph:

[0007] The filter information may, for example, identify a number of electrodes for valid electrode combinations, identify a polarity of one or more of the electrodes of the electrode set for valid electrode combinations, and/or identify a relational characteristic, e.g., a contiguous or guarded electrode, of electrodes within a valid combination of electrodes. In some embodiments, the programming device receives information that describes the configuration of the electrode set, and generates some of the filter information based on the configuration. For example, the programming device may determine that some electrodes of the electrode set are unsuitable for combination as active electrodes because of their relative positions within the patient, e.g., the distance between the electrodes. The configuration information may include, for example, information describing the number of leads that carry the electrode set and their position within a patient, the number of electrodes per lead, the type of leads, the position of electrodes on leads, and/or the position of electrodes within the patient. In other words, configuration information may include information describing the spatial and/or geometric relationships of the electrodes within an electrode set and the leads that carry the electrodes.

Please replace paragraph [0021] with the following amended paragraph:

[0021] FIG. 1 is a conceptual diagram illustrating an example system 10 for managing delivery of neurostimulation therapy to a patient 12. System 10 includes an implantable medical device (IMD) 14 that delivers neurostimulation therapy to patient 12. In exemplary embodiments, IMD 14 takes the form of an implantable pulse generator, and delivers neurostimulation therapy to patient 12 in the form of electrical pulses.

Please replace paragraph **[0043]** with the following amended paragraph:

**[0043]** Whether presented as a list or incorporated into programs, processor 50 may, in some embodiments, randomize the order of combinations within a subset 60. Randomized presentation of electrode combinations may, for example, reduce the possibility that selection of combinations and programs by the clinician for programming of IMD 14 will be biased by the order of presentation or testing. Programs 62 selected by the clinician from among those tested on patient 12 are transmitted to IMD 14 via telemetry circuit 64. The selected programs 62 may be stored in memory 54, along with the one or more of combination subsets 60, configuration information ~~56~~ 58 and filter information ~~58~~ 56, as part of a record for patient 12.

Please replace paragraph **[0051]** with the following amended paragraph:

**[0051]** FIG. 6 is a flow chart illustrating another example method that may be employed by clinician programmer 20 to identify combinations of electrodes 32 based on filter information ~~58~~ 56. In particular, FIG. 6 illustrates an iterative method that may be employed by clinician programmer 20 to generate information that describes combinations of electrodes for comparison to filter information 56.